

# IPCC Data Activities

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# Intergovernmental Panel on Climate Change (IPCC) AR4

- WHAT?
  - Collect data from AOGCM's forced with estimates of past and future radiative forcings
  - To access simulation of last 150 years
  - To predict next 100 years



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- WHY collect data?
  - Allow other scientists access to model data
  - Distribute analysis work
  - Get other experts involved



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- HOW?
  - Basically centralized data model
    - Groups sending data to PCMDI
  - Some distributed data planned
    - DOE Grid: PCMDI-NCAR
    - GFDL
    - Others



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- HOW?
  - Climate Model Output Rewriter (CMOR)
    - Distributed Certification
    - Grid checking
    - Variable name checking
      - Variable list finalized
      - Variable units standardized
    - Standardize output to CF



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- When?
  - By Sept. 1, 2004
    - Collection of model data
    - About 40 tb in total
  - By May 2005
    - 100 users (10, 100, 1000)
    - More than 50% of data uploaded



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- Where we are at?
  - Groups running models
  - Groups preparing data
    - Interpolation to standard grids
    - Variable names and units
  - PCMDI getting server ready



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- Summary
  - Big effort, new to climate community
  - Time line very short
    - Modeling groups late
    - Collect of data started ?
    - Very short time for analysis
    - Papers submitted by May 2005

